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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1. - 12. (Cancelled)

13. (Currently Amended) A semiconductor device comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

a plug connected electrically with said connection layer and said diffusion layer,

wherein said plug comprises a main conductive film and an adjacent conductive film disposed outside of said main conductive film, and

said main conductive film includes copper as a main constituent element, and said adjacent conductive film includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, and osmium and platinum.

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14. (Currently Amended) A semiconductor device according to Claim 13 comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

a plug connected electrically with said connection layer and said diffusion layer,

wherein said plug comprises a main conductive film and an adjacent conductive film disposed outside of said main conductive film, and

said main conductive film includes copper as a main constituent element,

said adjacent conductive film includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, and osmium and platinum, wherein said adjacent conductive film includes as an added constituent element at least one element selected from a group consisting of palladium, cobalt, nickel and titanium.

15. (Currently Amended) A semiconductor device according to Claim 4314, wherein said adjacent conductive film includes as ansaid added constituent element with said at least one element selected from a group consisting of palladium, cobalt, nickel and titanium with a concentration of not less than 0.14 at.% and not more than 25 at.%.

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16. (Currently Amended) A semiconductor device comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

a plug connected electrically with said connection layer and said diffusion layer,

wherein said connection layer comprises a main conductive film and an adjacent conductive film disposed outside of said main conductive film, and

said main conductive film includes copper as a main constituent element, and said adjacent conductive film includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, and osmium-and platinum.

17. (Currently Amended) A semiconductor device according to Claim 16comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

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a plug connected electrically with said connection layer and said diffusion

layer,

wherein said connection layer comprises a main conductive film and an

adjacent conductive film disposed outside of said main conductive film, and

said main conductive film includes copper as a main constituent element, and

said adjacent conductive film includes as a main constituent element at least one

element selected from a group consisting of rhodium, ruthenium, iridium, osmium

and platinum, wherein said adjacent conductive film includes as an added

constituent element at least one element selected from a group consisting of

palladium, cobalt, nickel and titanium.

18. (Currently Amended) A semiconductor device according to Claim 1617,

wherein said adjacent conductive film includes as ansaid added constituent element

with said at least one element selected from a group consisting of palladium, cobalt,

nickel and titanium with a concentration of not less than 0.14 at.% and not more than

25 at.%.

19. (Currently Amended) A semiconductor device comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and

corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating

layer; and

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a plug connected electrically with said connection layer and said gate electrode,

wherein said plug includes copper as a main constituent element, and said gate electrode includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, osmium and platinum.

20. (Currently Amended) A semiconductor device according to Claim 19 comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

a plug connected electrically with said connection layer and said gate electrode,

wherein said plug includes copper as a main constituent element, and said gate electrode includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, osmium and platinum, wherein said gate electrode includes as an added constituent element at least one element selected from a group consisting of palladium, cobalt, nickel and titanium.

21. (Currently Amended) A semiconductor device according to Claim 4920, wherein said gate electrode includes as ansaid added constituent element with said Application No.: 10/611,863 Docket No.: 500.39912CX1 Page 7

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at least one element selected from a group consisting of palladium, cobalt, nickel and titanium with a concentration of not less than 0.14 at.% and not more than 25 at.%.

22. (Currently Amended) A semiconductor device comprising:

a semiconductor substrate;

a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating layer; and

a plug connected electrically with said connection layer and said gate electrode,

wherein said plug includes copper as a main constituent element, and said gate electrode includes a first conductive film and a second conductive film disposed at a position nearer to said plug than said first conductive film, and

said first conductive film includes silicon, and

said second conductive film includes as a main constituent element at least one element selected from a group consisting of rhodium, ruthenium, iridium, osmium and platinum.

23. (Currently Amended) A semiconductor device according to Claim 22comprising:

a semiconductor substrate;

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a gate electrode formed on said semiconductor substrate;

a diffusion layer formed within said semiconductor substrate and

corresponding to said gate electrode;

a connection layer disposed above said gate electrode through an insulating

layer; and

a plug connected electrically with said connection layer and said gate

electrode,

wherein said plug includes copper as a main constituent element, and said

gate electrode includes a first conductive film and a second conductive film disposed

at a position nearer to said plug than said first conductive film, and

said first conductive film includes silicon, and

said second conductive film includes as a main constituent element at least

one element selected from a group consisting of rhodium, ruthenium, iridium,

osmium and platinum, wherein said second conductive film includes as an added

constituent element at least one element selected from a group consisting of

palladium, cobalt, nickel and titanium.

24. (Currently Amended) A semiconductor device according to Claim 2223,

wherein said second conductive film includes as ansaid added constituent element

with said at least one element selected from a group consisting of palladium, cobalt,

nickel and titanium with a concentration of not less than 0.14 at.% and not more than

25 at.%.